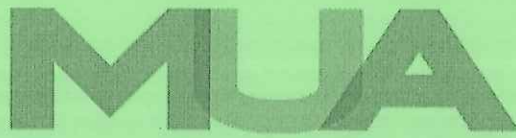


The
Management
University
of Africa



Sponsored by the Kenya Institute of Management

UNDERGRADUATE UNIVERSITY EXAMINATIONS
SCHOOL OF MANAGEMENT AND LEADERSHIP
BACHELOR OF MANAGEMENT AND LEADERSHIP/ BACHELOR
OF ARTS IN DEVELOPMENT STUDIES

UCU 103: INTRODUCTION TO LOGIC AND CRITICAL THINKING

DATE: 1ST AUGUST 2018

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains **SIX (6)** questions.
4. Question **ONE** is compulsory.
5. Answer any other **THREE** questions.
6. Question **ONE** carries **25 MARKS** and the rest carry **15 MARKS** each.
7. Write all your answers in the Examination answer booklet provided.

QUESTION ONE

Read the Case Study below carefully and, answer the questions that follow:

Mr. Kaki has been the transport manager with Kalawa transporters for some times now. In the recent past, the procurement manager has introduced new fleet of reliable and known brands of truck in the company. As the transport manager, Mr. Kaki is expected to keep records of customer feed back of delays and or eventualities arising from goods delivery. In last month customers from coast region have been complaining of Kalawa transporters not meeting their expectation on delivery timelines. To address their complains, Mr. Kaki took records of the trips and type of lorries that were dispatched in the last six weeks and he found that;

In week one, the Kitale trip he dispatched, Audi, Benz and Toyota lorries and there was no reported issue. During week two, it was the Mombasa trip, where he had dispatched, Benz, and Mazda lorries and break down was reported. In week three to Meru, he dispatched the Nautical, Toyota and miles lorries and there was no issue reported. In week four, he dispatched Benz, Honda and miles lorries to Kilifi and there was break down reported. During week five, he dispatched to Kisumu the Audi, Mazda and Honda lorries and again no breakdown was reported either. On the last trip in the month, to Kwale, the manager dispatched to Kwale, Benz, compo and nautical lorries and a breakdown was reported

Required;

- a) Construct a table to help find out what lorry can be associated with possible causes of reported break downs **(10 Marks)**
- b) Explain model would you associate with breakdown **(3 marks)**
- c) As a student of logic, what would you deduce to be the cause of breakdown of the above model in this particular region? **(6 Marks)**
- d) Discuss the Mills method of causality and identify the method you have applied in arriving at your conclusion of the trouble causing water brand **(6 Marks)**

QUESTION TWO

- a) With a well labeled diagram, classify an argument to its least class possible. **(5marks).**
- b) Describe each of the above levels of an arguments **(10 marks)**

QUESTION THREE

Defining the following concepts as used in logic; explaining their importance to managers in their day to day diary

- | | |
|--------------------|-----------|
| a. Cognition | (3 Marks) |
| b) Trial and error | (3 Marks) |
| c) Algorithms | (3 Marks) |
| d) Problem solving | (3 Marks) |
| e) Creativity | (3 Marks) |

QUESTION FOUR

With relevant examples, discuss the dangers of managers making decisions based on arguments that contain any 3 fallacies of weak induction (15 marks)

QUESTION FIVE

- a. Generate a standard categorical proposition using "All and Some" (9 marks)
- b. Identify any four that factors determine the strength of argument from analogy (6 marks)

QUESTION SIX

Defining logic, explaining its application by managers in the following areas

- | | |
|--|-----------|
| a. Making major strategic decisions | (3 Marks) |
| b. Collecting data on a particular issue of interest | (3 Marks) |
| c. Generation alternative cause of action/ plan B | (3 Marks) |
| d. Implementing solution or decisions | (3 Marks) |
| e. Monitoring and control of resource utilization | (3 Marks) |

